

EXPRESS EL 977021474 US

Docket No.: PD030113

USA

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

DIFFERENTIAL PHASE DETECTOR

the specification of which was filed on October 16, 2004 as Application Serial No. PCT/EP 2004/011686  
and was amended on \_\_\_\_\_, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. 03024813.2 in EP on October 30, 2003 priority claimed [x] Yes [] No

Application No. 03025972.5 in EP on November 13, 2003 priority claimed [x] Yes [] No

Application No. \_\_\_\_\_ in \_\_\_\_\_ on \_\_\_\_\_ priority claimed [] Yes [] No

hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. \_\_\_\_\_ Filed \_\_\_\_\_ [ ] patented [ ] pending [ ] abandoned

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

<u>Joseph S. Tripoli</u>	<u>Registration No. 26,040</u>	<u>and</u>
<u>Joseph J. Laks</u>	<u>Registration No. 27,914</u>	<u>and</u>
<u>Harvey D. Fried</u>	<u>Registration No. 28,298</u>	<u>and</u>
<u>Ronald H. Kurdyla</u>	<u>Registration No. 26,932</u>	<u>and</u>
<u>Robert D. Shedd</u>	<u>Registration No. 36,269</u>	<u>and</u>
<u>Vincent E. Duffy</u>	<u>Registration No. 39,964</u>	<u>and</u>
<u>Robert B. Levy</u>	<u>Registration No. 28,234</u>	

PLEASE ADDRESS ALL  
COMMUNICATIONS TO:

JOSEPH S. TRIPOLI  
PATENT OPERATIONS  
THOMSON LICENSING INC.  
P. O. BOX 5312  
PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	Pierluigi Lo Muzio (Type or Print)	<i>Pierluigi Lo Muzio</i> (Signature in Full. No initials.)
Citizenship	IT	Date <u>23 Jan. 2006</u>
Post Office Address	Bodmerstraße 5	
Residence	85622 Feldkirchen, Germany	
Sole or Joint Inventor (2)	Marten Kabutz (Type or Print)	(Signature in Full. No initials.)
Citizenship	ZA	Date
Post Office Address	Pforzheimer Str. 15/2	
Residence	78048 Villingen-Schwenningen, Germany	
Sole or Joint Inventor (3)	Heinrich Schemmann (Type or Print)	(Signature in Full. No initials.)
Citizenship	DE	Date
Post Office Address	Danziger Str. 17	
Residence	78048 Villingen-Schwenningen, Germany	

Patent Operations  
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Princeton, NJ 08543-5312

## DECLARATION AND POWERS OF ATTORNEY

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Sole or Joint Inventor (2)	<u>Marten Kabutz</u> (Type or Print)	(Signature in Full. No initials.)
Citizenship	<u>ZA</u>	Date _____
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Citizenship	<u>ZA</u>	Date _____
Post Office Address	<u>Pforzheimer Str. 15/2</u>	
Residence	<u>78048 Villingen-Schwenningen, Germany</u>	
Sole or Joint Inventor (3)	<u>Heinrich Schemmann</u> (Type or Print)	<u>Heinrich Schemmann</u> (Signature in Full. No initials.)
Citizenship	<u>DE</u>	Date <u>03 February 2006</u>
Post Office Address	<u>Danziger Str. 17</u>	
Residence	<u>78048 Villingen-Schwenningen, Germany</u>	

*EXPRESS EL 977021474 US*

PTO/SB/81 (11-04)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	
Filing Date	
First Named Inventor	Pierluigi Lo Muzio et al
Title	Differential Phase Detector
Art Unit	
Examiner Name	
Attorney Docket Number	PD030113

I hereby appoint:

Practitioners at Customer Number  
**Customer Number 24498**  
OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The above-mentioned Customer Number:  
OR  
 The address associated with Customer Number:  
OR

<input checked="" type="checkbox"/> Firm or Individual Name	Joseph J. Laks, Vice President			
Address	THOMSON LICENSING INC.			
Address	P. O. BOX 5312			
City	PRINCETON	State	NJ	ZIP 08543-5312
Country	USA			
Telephone	609-734-6828	Fax	609-734-6888	

I am the:

Applicant/Inventor.  
 Assignee of record of the entire interest. See 37 CFR 3.71.  
Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name	ROBERT D. SHEDD REG. NO. 36,269		
Signature	<i>Robert D. Shedd</i>		
Date	4/26/06	Telephone	609-734-6828

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  
Submit multiple forms if more than one signature is required, see below\*.

\*Total of 3 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**POWER OF ATTORNEY**  
**THOMSON LICENSING**

We,

THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France

do hereby grant

Joseph J. Laks  
Vice President  
Thomson Licensing Inc.  
Two Independence Way  
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005

DATED this 14th day of February, in the year 2006.

Signature:

Typed Name As Signed:

Title:

Béatrix de Russé  
Authorized Representative,  
Vice-President Intellectual Property & Licensing

THOMSON LICENSING

POWER OF ATTORNEY  
THOMSON LICENSING

THOMSON LICENSING  
46, Quai A. Le Gallo  
F-92100 Boulogne-Billancourt  
France

does hereby grant

Harvey D. Fried - Sr. Patent Counsel/Manager  
Ronald H. Kurdyla - Sr. Patent Counsel/Manager  
Robert D. Shedd - Sr. Patent Counsel/Manager  
Robert B. Levy - Sr. Patent Counsel/Manager  
Frank Y. Liao - Sr. Patent Counsel/Manager  
Reitseng Lin - Sr. Patent Counsel  
Christine Johnson - Sr. Patent Counsel  
Guy H. Eriksen - Sr. Patent Counsel  
Catherine A. Ferguson - Sr. Patent Counsel  
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Paul P. Kiel - Sr. Patent Counsel  
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Joseph J. Opalach - Sr. Patent Counsel  
Sammy S. Henig - Sr. Patent Counsel  
Patricia A. Verlangieri - Sr. Patent Counsel  
Brian J. Dorini, Sr. Patent Counsel  
Jorge Tony Villabon - Patent Counsel  
Vincent E. Duffy - Patent Counsel  
Richard LaPeruta - Patent Counsel  
Francis A. Davenport - Sr. Patent Agent  
William A. Lagoni - Patent Agent  
Brian J. Cromarty - Patent Agent  
Ronald Kolczynski - Member Patent Staff  
Michael A. Pugel - Patent Agent  
*Thomson Licensing Inc.*  
*Two Independence Way*  
*Princeton, New Jersey 08540*

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from July 1, 2005.

DATED this 27<sup>th</sup> day of February, 2006.

SIGNED

  
Joseph J. Laks  
Vice President  
Thomson Licensing Inc. and  
Attorney In Fact for  
THOMSON LICENSING

WITNESS

